

Calendar No. 292

116TH CONGRESS
1ST SESSION

S. 1874

[Report No. 116–157]

To amend title 40, United States Code, to require the Administrator of General Services to procure the most life-cycle cost effective and energy efficient lighting products and to issue guidance on the efficiency, effectiveness, and economy of those products, and for other purposes.

IN THE SENATE OF THE UNITED STATES

JUNE 13, 2019

Mr. PETERS (for himself, Mr. JOHNSON, and Ms. HASSAN) introduced the following bill; which was read twice and referred to the Committee on Homeland Security and Governmental Affairs

NOVEMBER 6, 2019

Reported by Mr. JOHNSON, with an amendment

[Strike out all after the enacting clause and insert the part printed in *italie*]

A BILL

To amend title 40, United States Code, to require the Administrator of General Services to procure the most life-cycle cost effective and energy efficient lighting products and to issue guidance on the efficiency, effectiveness, and economy of those products, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Bulb Replacement Im-
3 proving Government with High-efficiency Technology Act”
4 or the “BRIGHT Act”.

5 **SEC. 2. GUIDANCE.**

6 (a) **IN GENERAL.**—Not later than 1 year after the
7 date of enactment of this Act, the Administrator of Gen-
8 eral Services shall—

9 (1) issue guidance to Federal agencies for the
10 procurement and use of the most life-cycle cost ef-
11 fective and energy efficient lighting systems (as de-
12 termined in accordance with section 3313 of title 40,
13 United States Code) to increase the efficiency, effec-
14 tiveness, and economy of the Federal Government;
15 and

16 (2) publish on the internet or otherwise make
17 available to State, local, and Tribal entities informa-
18 tion on ways to improve efficiency, effectiveness, and
19 economy by procuring and using the most life-cycle
20 cost effective and energy efficient lighting systems
21 (as determined in accordance with section 3313 of
22 title 40, United States Code).

23 (b) **REPORT.**—Not later than 5 years after the date
24 of enactment of this Act, the Administrator of General
25 Services shall submit to the Committee on Homeland Se-
26 curity and Governmental Affairs of the Senate and the

1 Committee on Oversight and Reform of the House of Rep-
 2 resentatives a report on the implementation of this Act
 3 and the amendments made by this Act, including the effi-
 4 ciency, effectiveness, and economy of the transition to the
 5 most life-cycle cost effective and energy efficient lighting
 6 systems (as determined in accordance with section ~~3313~~
 7 of title 40, United States Code).

8 **SEC. 3. PROCUREMENT OF LIFE-CYCLE COST EFFECTIVE**
 9 **AND ENERGY EFFICIENT LIGHTING SYSTEMS.**

10 (a) IN GENERAL.—Section ~~3313~~ of title 40, United
 11 States Code, is amended—

12 (1) by striking subsection (h);

13 (2) by redesignating subsections (d) through (g)
 14 as subsections (f) through (i), respectively;

15 (3) by striking the section designation and
 16 heading and all that follows through the end of sub-
 17 section (e) and inserting the following:

18 **“§ 3313. Procurement of life-cycle cost effective and**
 19 **energy efficient lighting systems**

20 “(a) DEFINITIONS.—In this section:

21 “(1) ADMINISTRATOR.—The term ‘Adminis-
 22 trator’ means the Administrator of General Services.

23 “(2) LIGHTING SYSTEM.—The term ‘lighting
 24 system’ means the elements required to maintain a
 25 desired light level, including lamps, light fixtures,

1 fixture distribution, sensors and control technologies,
2 interior design elements, and daylighting sources.

3 “(b) **PROCUREMENT.**—

4 “(1) **IN GENERAL.**—To the maximum extent
5 practicable, the Administrator shall—

6 “(A) procure the most life-cycle cost effec-
7 tive and energy efficient lighting systems; and

8 “(B) ensure that procurements after the
9 date of enactment of the BRIGHT Act of light-
10 ing systems or the individual components of
11 lighting systems maximize life-cycle cost effec-
12 tiveness and energy efficiency.

13 “(2) **USE.**—Each public building constructed,
14 altered, acquired, or leased by the Administrator
15 shall be equipped, to the maximum extent prac-
16 ticable as determined by the Administrator, with the
17 most life-cycle cost effective and energy efficient
18 lighting systems for each application.

19 “(c) **MAINTENANCE OF PUBLIC BUILDINGS.**—Each
20 individual component of a lighting system, including a
21 lamp or fixture, that is replaced by the Administrator in
22 the normal course of maintenance of public buildings shall
23 be replaced, to the maximum extent practicable, with the
24 most life-cycle cost effective and energy efficient lighting
25 system possible for the application.

1 “(d) CONSIDERATIONS.—

2 “(1) CONTRACTING OPTIONS.—In carrying out
3 this section, the Administrator shall consider appro-
4 priate contracting options for the procurement of the
5 most life-cycle cost effective and energy efficient
6 lighting systems.

7 “(2) PROCUREMENT AND USE.—In making a
8 determination under this section concerning the
9 practicability of procuring and installing the most
10 life-cycle cost effective and energy efficient lighting
11 system, the Administrator shall consider—

12 “(A) the compatibility of the lighting sys-
13 tem with existing equipment, including consid-
14 eration of a cost effective retrofit;

15 “(B) whether procurement and use of the
16 lighting system could result in interference with
17 productivity;

18 “(C) the aesthetics relating to the use of
19 the lighting system; and

20 “(D) such other factors as the Adminis-
21 trator determines to be appropriate.

22 “(e) LIFE-CYCLE COST EFFECTIVE.—The Adminis-
23 trator shall use the procedures and methods established
24 under section 544(a) of the National Energy Conservation

1 Policy Act (42 U.S.C. 8254(a)) in determining whether
 2 a lighting system is life-cycle cost effective.”;

3 (4) in subsection (f) (as so redesignated)—

4 (A) in the matter preceding paragraph (1),
 5 by striking “lighting fixture or bulb” and in-
 6 serting “lighting system”;

7 (B) in paragraph (1), by striking “the fix-
 8 ture or bulb is” and inserting “the lighting sys-
 9 tem or the individual components of the lighting
 10 system are”; and

11 (C) in paragraph (3), by striking “fixture
 12 or bulb” and inserting “lighting system”;

13 (5) in subsection (g) (as so redesignated), by
 14 inserting “procurement and” before “use in public
 15 buildings”; and

16 (6) in subsection (h) (as so redesignated), by
 17 inserting “procurement and” before “use of energy
 18 efficient”.

19 (b) CLERICAL AMENDMENT.—The analysis for chap-
 20 ter 33 of title 40, United States Code, is amended by
 21 striking the item relating to section 3313 and inserting
 22 the following:

“3313. Procurement of life-cycle cost effective and energy efficient lighting sys-
 tems.”.

1 **SECTION 1. SHORT TITLE.**

2 *This Act may be cited as the “Bulb Replacement Im-*
 3 *proving Government with High-Efficiency Technology Act”*
 4 *or the “BRIGHT Act”.*

5 **SEC. 2. GUIDANCE.**

6 *Not later than 1 year after the date of enactment of*
 7 *this Act, the Administrator of General Services shall—*

8 (1) *issue guidance to Federal agencies for the*
 9 *procurement and use of the most life-cycle cost effec-*
 10 *tive and energy efficient lighting systems (as deter-*
 11 *mined in accordance with section 3313 of title 40,*
 12 *United States Code) to increase the efficiency, effec-*
 13 *tiveness, and economy of the Federal Government;*
 14 *and*

15 (2) *publish on the internet or otherwise make*
 16 *available to State, local, and Tribal entities informa-*
 17 *tion on ways to improve efficiency, effectiveness, and*
 18 *economy by procuring and using the most life-cycle*
 19 *cost effective and energy efficient lighting systems (as*
 20 *determined in accordance with section 3313 of title*
 21 *40, United States Code).*

22 **SEC. 3. PROCUREMENT OF LIFE-CYCLE COST EFFECTIVE**
 23 **AND ENERGY EFFICIENT LIGHTING SYSTEMS.**

24 (a) *IN GENERAL.—Section 3313 of title 40, United*
 25 *States Code, is amended—*

26 (1) *by striking subsection (h);*

1 (2) *by redesignating subsections (d) through (g)*
 2 *as subsections (f) through (i), respectively;*

3 (3) *by striking the section designation and head-*
 4 *ing and all that follows through the end of subsection*
 5 *(c) and inserting the following:*

6 **“§ 3313. Procurement of life-cycle cost effective and en-**
 7 **ergy efficient lighting systems**

8 “(a) *DEFINITIONS.—In this section:*

9 “(1) *ADMINISTRATOR.—The term ‘Adminis-*
 10 *trator’ means the Administrator of General Services.*

11 “(2) *LIGHTING SYSTEM.—The term ‘lighting sys-*
 12 *tem’ means the elements required to maintain a de-*
 13 *sired light level, including lamps, light fixtures, fix-*
 14 *ture distribution, sensors and control technologies, in-*
 15 *terior design elements, and daylighting sources.*

16 “(b) *PROCUREMENT.—*

17 “(1) *IN GENERAL.—To the maximum extent*
 18 *practicable, the Administrator shall—*

19 “(A) *procure the most life-cycle cost effective*
 20 *and energy efficient lighting systems; and*

21 “(B) *ensure that procurements after the*
 22 *date of enactment of the BRIGHT Act of lighting*
 23 *systems or the individual components of lighting*
 24 *systems maximize life-cycle cost effectiveness and*
 25 *energy efficiency.*

1 “(2) *USE.*—*Each public building constructed, al-*
2 *tered, acquired, or leased by the Administrator shall*
3 *be equipped, to the maximum extent practicable as*
4 *determined by the Administrator, with the most life-*
5 *cycle cost effective and energy efficient lighting sys-*
6 *tems for each application.*

7 “(c) *MAINTENANCE OF PUBLIC BUILDINGS.*—*Each in-*
8 *dividual component of a lighting system, including a lamp*
9 *or fixture, that is replaced by the Administrator in the nor-*
10 *mal course of maintenance of public buildings shall be re-*
11 *placed, to the maximum extent practicable, with the most*
12 *life-cycle cost effective and energy efficient lighting system*
13 *possible for the application.*

14 “(d) *CONSIDERATIONS.*—

15 “(1) *CONTRACTING OPTIONS.*—*In carrying out*
16 *this section, the Administrator shall consider appro-*
17 *priate contracting options for the procurement of the*
18 *most life-cycle cost effective and energy efficient light-*
19 *ing systems.*

20 “(2) *PROCUREMENT AND USE.*—*In making a de-*
21 *termination under this section concerning the prac-*
22 *tisability of procuring and installing the most life-*
23 *cycle cost effective and energy efficient lighting sys-*
24 *tem, the Administrator shall consider—*

1 “(A) the compatibility of the lighting sys-
2 tem with existing equipment, including consider-
3 ation of a cost effective retrofit;

4 “(B) whether procurement and use of the
5 lighting system could result in interference with
6 productivity;

7 “(C) the aesthetics relating to the use of the
8 lighting system; and

9 “(D) such other factors as the Adminis-
10 trator determines to be appropriate.

11 “(e) *LIFE-CYCLE COST EFFECTIVE*.—The Adminis-
12 trator shall use the procedures and methods established
13 under section 544(a) of the National Energy Conservation
14 Policy Act (42 U.S.C. 8254(a)) in determining whether a
15 lighting system is life-cycle cost effective.”;

16 (4) in subsection (f) (as so redesignated)—

17 (A) in the matter preceding paragraph (1),
18 by striking “lighting fixture or bulb” and insert-
19 ing “lighting system”;

20 (B) in paragraph (1), by striking “the fix-
21 ture or bulb is” and inserting “the lighting sys-
22 tem or the individual components of the lighting
23 system are”; and

24 (C) in paragraph (3), by striking “fixture
25 or bulb” and inserting “lighting system”;

1 (5) *in subsection (g) (as so redesignated), by in-*
2 *serting “procurement and” before “use in public*
3 *buildings”; and*

4 (6) *in subsection (h) (as so redesignated), by in-*
5 *serting “procurement and” before “use of energy effi-*
6 *cient”.*

7 (b) *CLERICAL AMENDMENT.—The analysis for chapter*
8 *33 of title 40, United States Code, is amended by striking*
9 *the item relating to section 3313 and inserting the fol-*
10 *lowing:*

“3313. Procurement of life-cycle cost effective and energy efficient lighting sys-
tems.”.

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[Report No. 116-1571]

A BILL

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